

## **Abstract**

An embodiment of the invention provided herein is a pharmaceutical composition comprising a gastrin compound having an extended activity upon administration to a subject in  
5 comparison with native gastrin. Methods are provided of conjugating portions of the amino acid sequence of gastrin having functional ability to bind to the gastrin/CCK receptor, to various carrier moieties, including the use of amino acid spacer regions, and use of bifunctional cross-linking reagents. Methods of treating a diabetes patient with the compositions are provided.

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